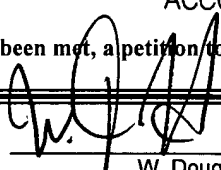


1AP7 REC'D PCT/PTO 10 APR 2006

FORM PTO 1390 (REV 5-93)		US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NUMBER 2006_0522A
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. §371			U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.53) NEW <b>10/575550</b>
International Application No. PCT/JP2004/015164	International Filing Date October 14, 2004	Priority Date Claimed October 22, 2003	
Title of Invention BORING DEVICE AND BORING METHOD			
Applicant(s) For DO/EO/US Teruie TAKEMASU et al.			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. §371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. §371.</p> <p>3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. §371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. §371(b) and PCT Articles 22 and 39(1).</p> <p>4. <input type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. §371(c)(2))</p> <p style="margin-left: 20px;">a. <input checked="" type="checkbox"/> is transmitted herewith. <b>ATTACHMENT A</b></p> <p style="margin-left: 20px;">b. <input type="checkbox"/> has been transmitted by the International Bureau.</p> <p style="margin-left: 20px;">c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</p> <p>6. <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. §371(c)(2)). <b>ATTACHMENT B</b></p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. §371(c)(3)).</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> have been transmitted by the International Bureau.</p> <p style="margin-left: 20px;">c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p style="margin-left: 20px;">d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19.</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. §371(c)(4)). <b>ATTACHMENT C</b></p> <p>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. §371(c)(5)).</p> <p><b>Items 11. to 14. below concern other document(s) or information included:</b></p> <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. <b>ATTACHMENT D</b></p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. <b>ATTACHMENT E</b></p> <p>13. <input checked="" type="checkbox"/> A FIRST preliminary amendment. <b>ATTACHMENT F</b></p> <p style="margin-left: 40px;"><input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</p> <p>14. <input checked="" type="checkbox"/> Other items or information: Form PCT/IB/304. <b>ATTACHMENT G</b></p>			

THE COMMISSIONER IS AUTHORIZED  
TO CHARGE ANY DEFICIENCY IN THE  
FEES FOR THIS PAPER TO DEPOSIT  
ACCOUNT NO. 23-0975

U.S. APPLICATION NO. <b>10/575550</b> NEW		INTERNATIONAL APPLICATION NO. PCT/JP2004/015164		ATTORNEY'S DOCKET NO. 2006_0522A							
15. [X] The following fees are submitted  Basic National Stage Fee ..... \$300.00 National Stage Search Fee ..... \$400.00 National Stage Examination Fee ..... \$200.00 Specification/drawings in excess of 100 pages ( units of 50 x \$250.00) = ..... \$				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:50%;">CALCULATIONS</th> <th style="width:50%;">PTO USE ONLY</th> </tr> <tr> <td colspan="2" style="height: 40px;"></td> </tr> <tr> <td style="text-align: right;">\$900.00</td> <td></td> </tr> </table>		CALCULATIONS	PTO USE ONLY			\$900.00	
CALCULATIONS	PTO USE ONLY										
\$900.00											
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>											
Surcharge of \$130.00 for furnishing the oath or declaration later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$							
Claims	Number Filed	Number Extra	Rate								
Total Claims	12 -20 =	0	X \$50.00	\$							
Independent Claims	2 - 3 =	0	X \$200.00	\$							
Multiple dependent claim(s) (if applicable)			+ \$360.00	\$							
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$900.00							
[ ] Small Entity Status is hereby asserted. Above fees are reduced by 1/2.				\$							
<b>SUBTOTAL =</b>				\$900.00							
Processing fee of \$130.00 for furnishing the English translation later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				+ \$							
<b>TOTAL NATIONAL FEE =</b>				\$900.00							
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +				\$40.00							
<b>TOTAL FEES ENCLOSED =</b>				\$940.00							
				Amount to be refunded	\$						
				Amount to be charged	\$						
a. [X] A check in the amount of \$940.00 to cover the above fees is enclosed. A duplicate copy of this form is enclosed. b. [ ] Please charge my Deposit Account No. 23-0975 in the amount of \$_____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. [ ] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-0975.											
<b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b>											
19. CORRESPONDENCE ADDRESS   <div style="text-align: center;">           CUSTOMER NO.  <b>000513</b> </div>			By:  W. Douglas Hahm , Registration No. 44,142  WENDEROTH, LIND & PONACK, L.L.P. 2033 "K" Street, N.W., Suite 800 Washington, D.C. 20006-1021 Phone:(202) 721-8200 Fax:(202) 721-8250  April 10, 2006								

[CHECK NO. 73482]  
 [2006\_0522A]

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :  
Teruie TAKEMASU et al. : **Mail Stop: PCT**  
Serial No. NEW : Attorney Docket No. 2006\_0522A  
Filed April 10, 2006 :

BORING DEVICE AND BORING METHOD  
[Corresponding to PCT/JP2004/015164  
Filed October 14, 2004]

THE COMMISSIONER IS AUTHORIZED  
TO CHARGE ANY DEFICIENCY IN THE  
FEES FOR THIS PAPER TO DEPOSIT  
ACCOUNT NO. 23-0975

**SUBMISSION OF ENGLISH/JAPANESE**  
**DECLARATION AND POWER OF ATTORNEY**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

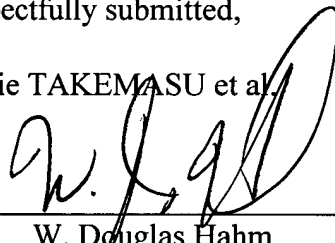
Sir:

The attached Declaration and Power of Attorney includes both Japanese language text and English language text. The English language text constitutes an accurate translation of the Japanese language text.

Respectfully submitted,

Teruie TAKEMASU et al.

By



W. Douglas Hahm  
Registration No. 44,142  
Attorney for Applicants

WDH/ck  
Washington, D.C. 20006-1021  
Telephone (202) 721-8200  
Facsimile (202) 721-8250  
April 10, 2006

ATTACHMENT C